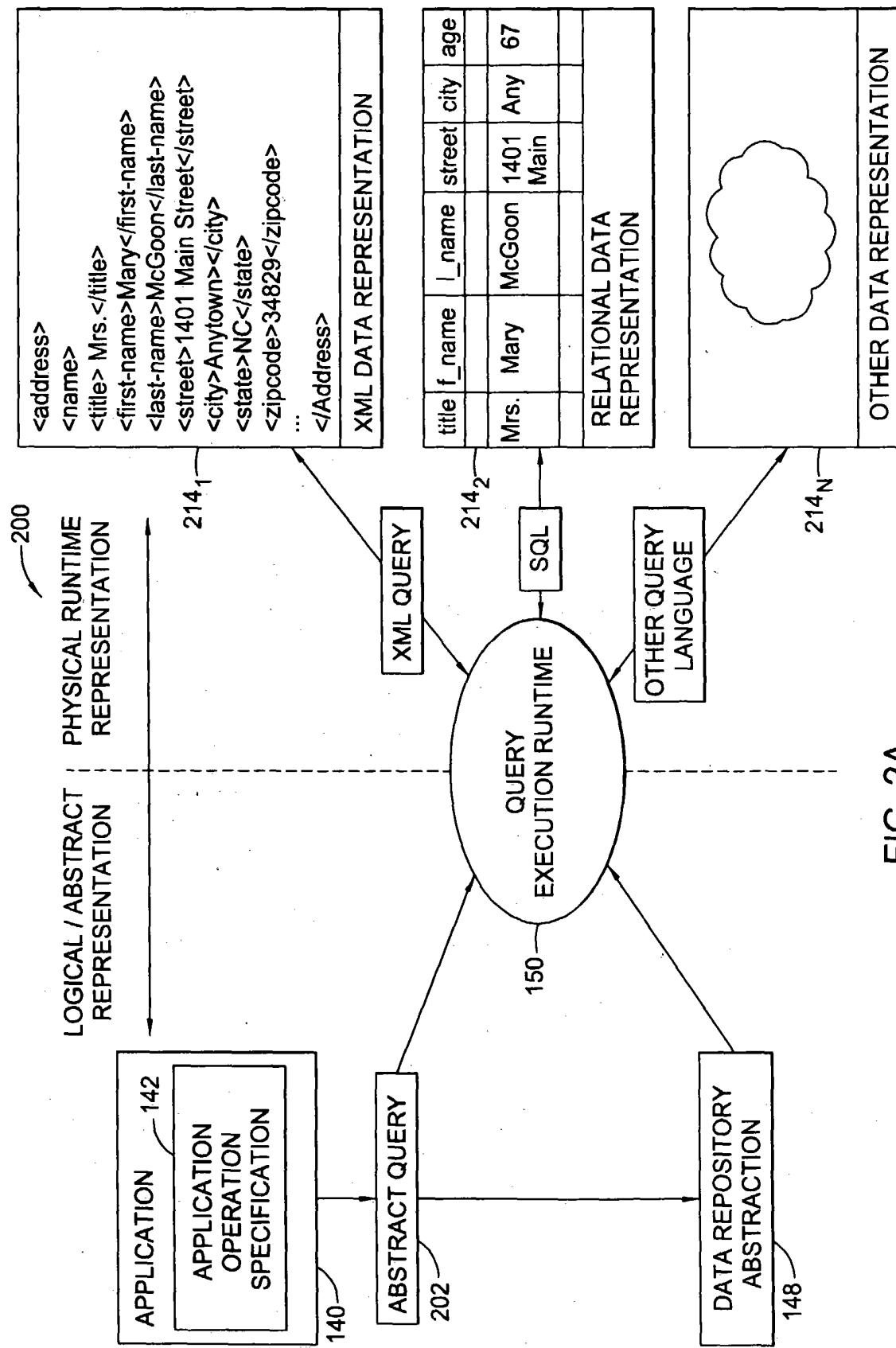


FIG. 1



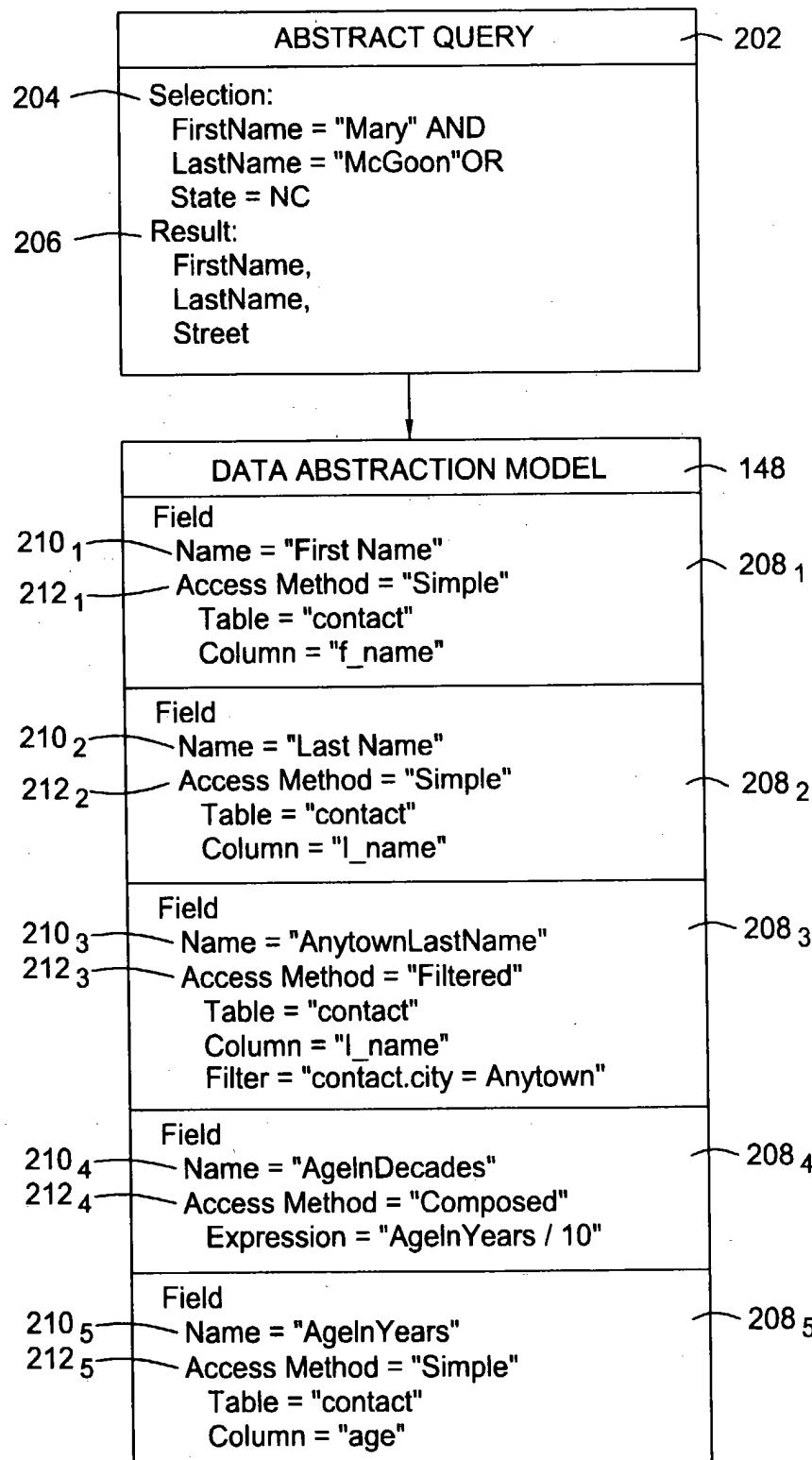


FIG. 2B

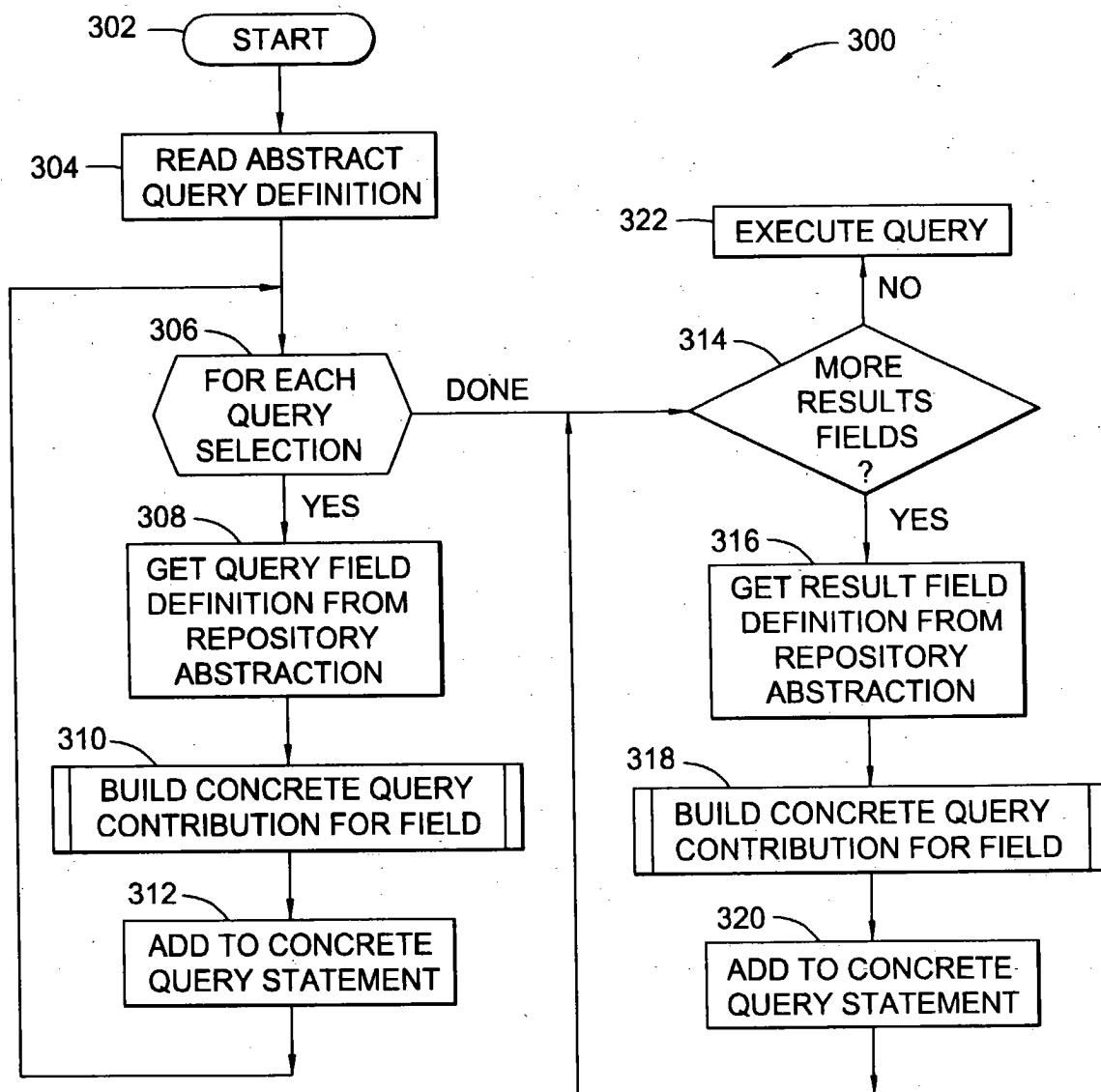


FIG. 3

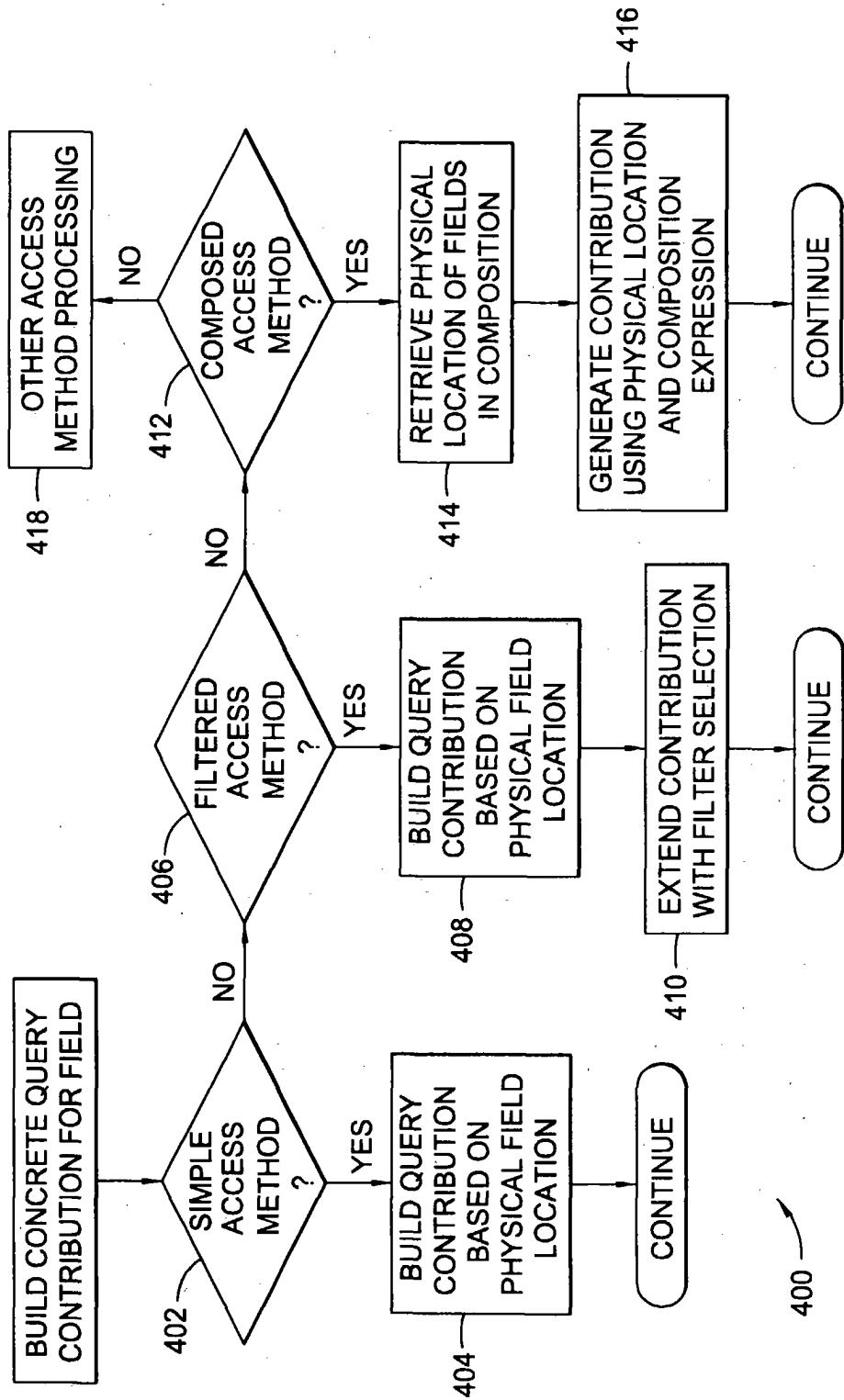


FIG. 4

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[NETWORK ADDRESS] - BROWSER

FILE EDIT VIEW GO

BOOKMARK LOCATION ▼

IBM STUDY LIST PROTOTYPE

Locations	User: cujo
Home Page	Query: None
Logout	

Add a Condition

Choose a condition category and value:

602 — Demographic

612 — ▼

604 — Tests and laboratory results

614 — ▼

606 — Reports

616 — ▼

608 — Diagnostic using ICD-9

Value:

618 622

610 — Diagnostic using DRG

Value:

620 624

626 Next OK Cancel

FIG. 5

600

700

FIG. 6

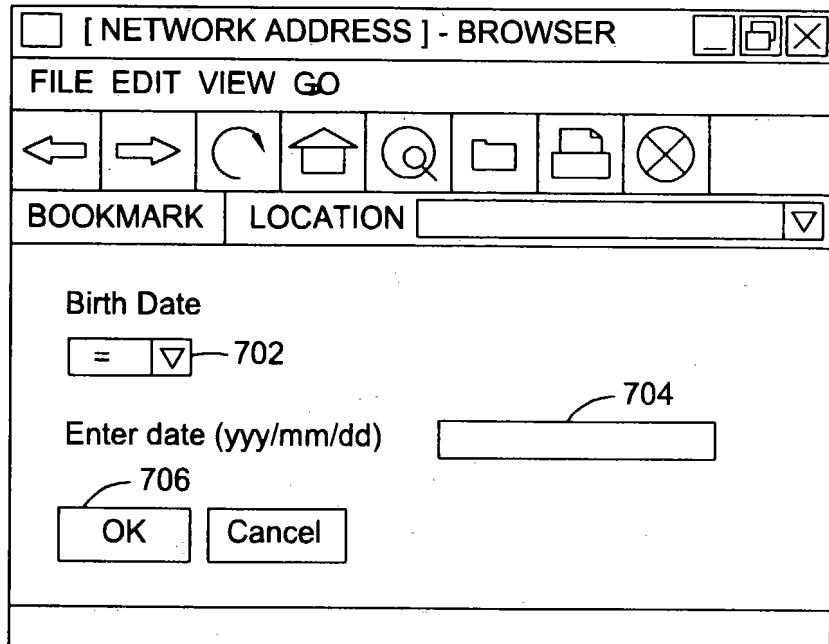
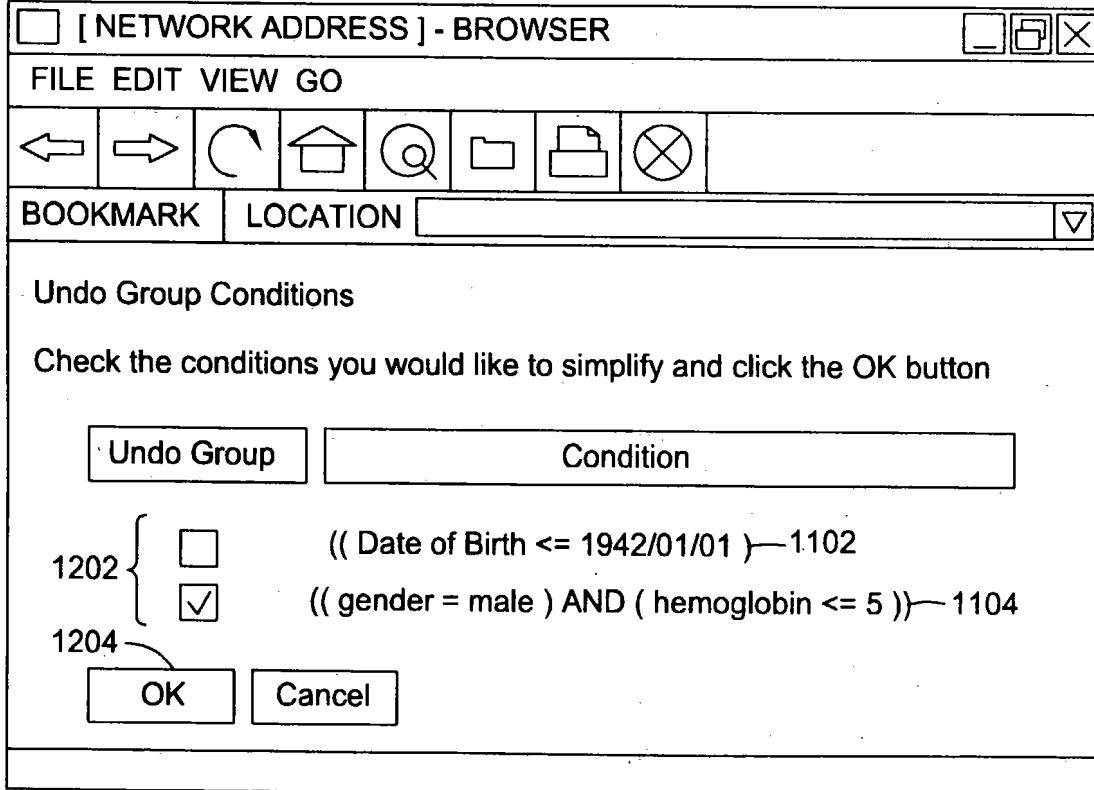
1202 {
 ((Date of Birth <= 1942/01/01)—1102
1204 { ((gender = male) AND (hemoglobin <= 5))—1104

FIG. 11

1200

<input type="checkbox"/> [NETWORK ADDRESS] - BROWSER		<input type="button" value="X"/>	<input type="button" value="Minimize"/>	<input type="button" value="Maximize"/>								
FILE EDIT VIEW GO												
<input type="button" value="Back"/>	<input type="button" value="Forward"/>	<input type="button" value="Stop"/>	<input type="button" value="Home"/>	<input type="button" value="Search"/>								
BOOKMARK		LOCATION <input type="button" value="▼"/>										
<p>Search Conditions</p> <table border="1"> <tr> <td>Action</td> <td>And/Or</td> <td>NOT</td> <td>Condition</td> </tr> <tr> <td>Edit</td> <td>Delete</td> <td><input type="checkbox"/></td> <td>(Date of Birth < = 1942/01/01)</td> </tr> </table> <p>Add a condition Group Conditions Undo Grouped Conditions</p> <hr/> <p><input type="button" value="Refresh Search Summary"/></p> <p>Search Summary (Date of Birth < = 1942/01/01)</p> <hr/> <p><input type="button" value="Change Output Data"/> <input type="button" value="Change Output Format"/> <input type="button" value="Patient List"/></p> <p><input type="button" value="Run Search"/> <input type="button" value="Save Search"/> <input type="button" value="Cancel"/></p>					Action	And/Or	NOT	Condition	Edit	Delete	<input type="checkbox"/>	(Date of Birth < = 1942/01/01)
Action	And/Or	NOT	Condition									
Edit	Delete	<input type="checkbox"/>	(Date of Birth < = 1942/01/01)									

FIG. 7

800

ROC920030129US1

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<input type="checkbox"/> [NETWORK ADDRESS] - BROWSER		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FILE EDIT VIEW GO				
<input type="button" value="←"/>	<input type="button" value="→"/>	<input type="button" value="⟳"/>	<input type="button" value="🏠"/>	<input type="button" value="🔍"/>
BOOKMARK		LOCATION <input type="button" value="▼"/>		
Search Conditions				
Action	902 <input type="button" value="And/Or"/>	904 <input type="button" value="NOT"/>	Condition	802
Edit Delete	906 <input button"="" type="button" value="▼"/>	<input type="checkbox"/> (Date of Birth <= 1942/01/01)		
Edit Delete	908 <input button"="" type="button" value="▼"/>	<input type="checkbox"/> (gender = male)		
Edit Delete	908 <input button"="" type="button" value="▼"/>	<input type="checkbox"/> (hemoglobin <= 5)		
Add a condition	804 <input type="button" value="Group Conditions"/>	910 <input type="button" value="Undo Grouped Conditions"/>		
<hr/>				
<input type="button" value="Refresh Search Summary"/>		922		
Search Summary 920				
(Date of Birth <= 1942/01/01)				
AND (gender = male)				
AND (hemoglobin <= 5)				
<hr/>				
<input type="button" value="Change Output Data"/>		<input type="button" value="Change Output Format"/>	<input type="button" value="Patient List"/>	
<input type="button" value="Run Search"/>		<input type="button" value="Save Search"/>	<input type="button" value="Cancel"/>	
924				

FIG. 8

800

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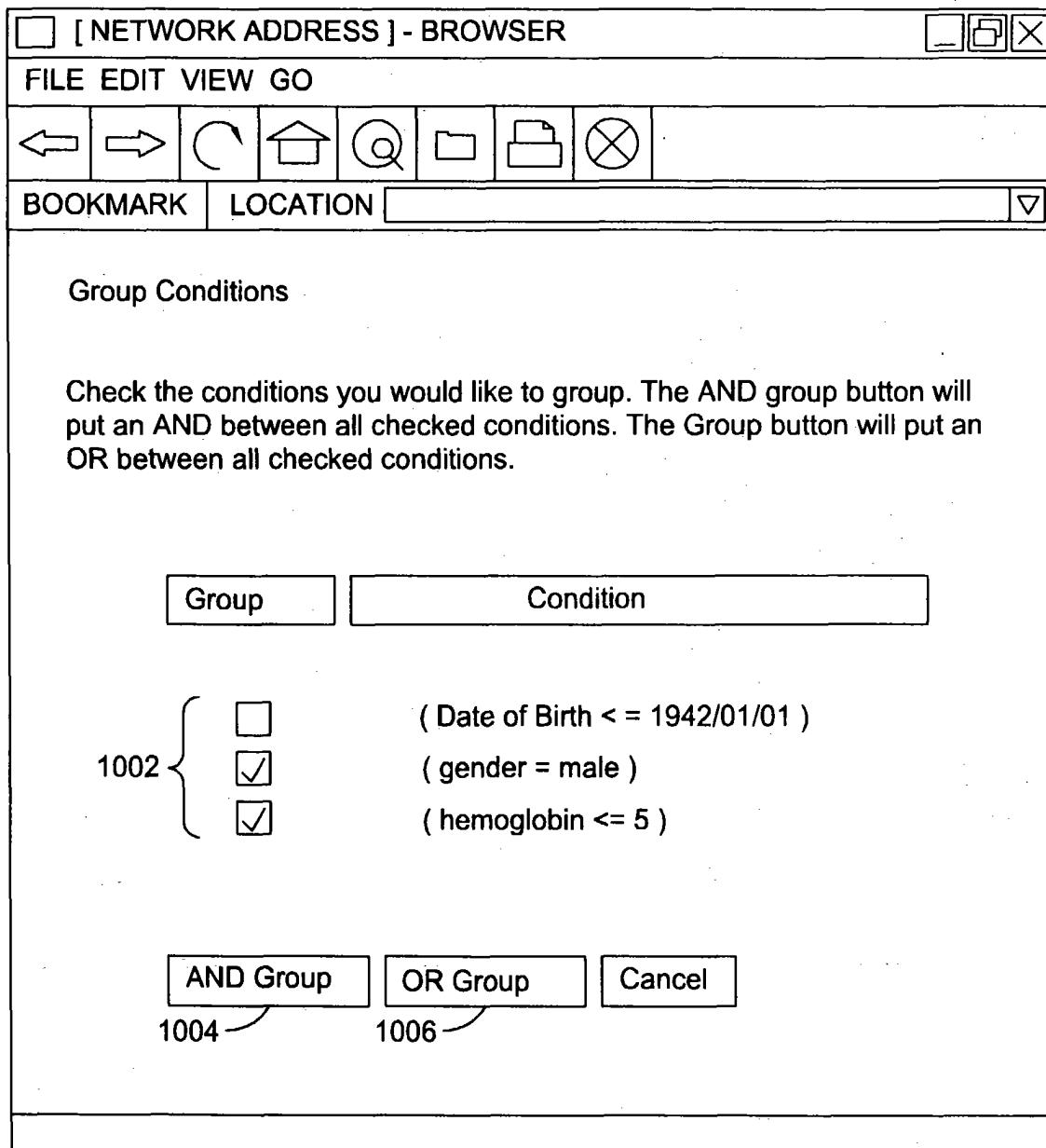


FIG. 9

1000

ROC920030129US1

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[NETWORK ADDRESS] - BROWSER

FILE EDIT VIEW GO

BOOKMARK LOCATION

Search Conditions

Action 902 And/Or 904 NOT 904 Condition 802

Edit Delete 906 (Date of Birth <= 1942/01/01) 1102

Edit Delete AND 906 (gender = male) AND (hemoglobin <= 5) 1104

Add a condition 804 Group Conditions 910 Undo Grouped Conditions 1106

Refresh Search Summary 922

Search Summary 920

(Date of Birth <= 1942/01/01)

AND (gender = male)

AND (hemoglobin <= 5)

1108

Change Output Data Change Output Format Patient List

Run Search Save Search Cancel

924

FIG. 10

800

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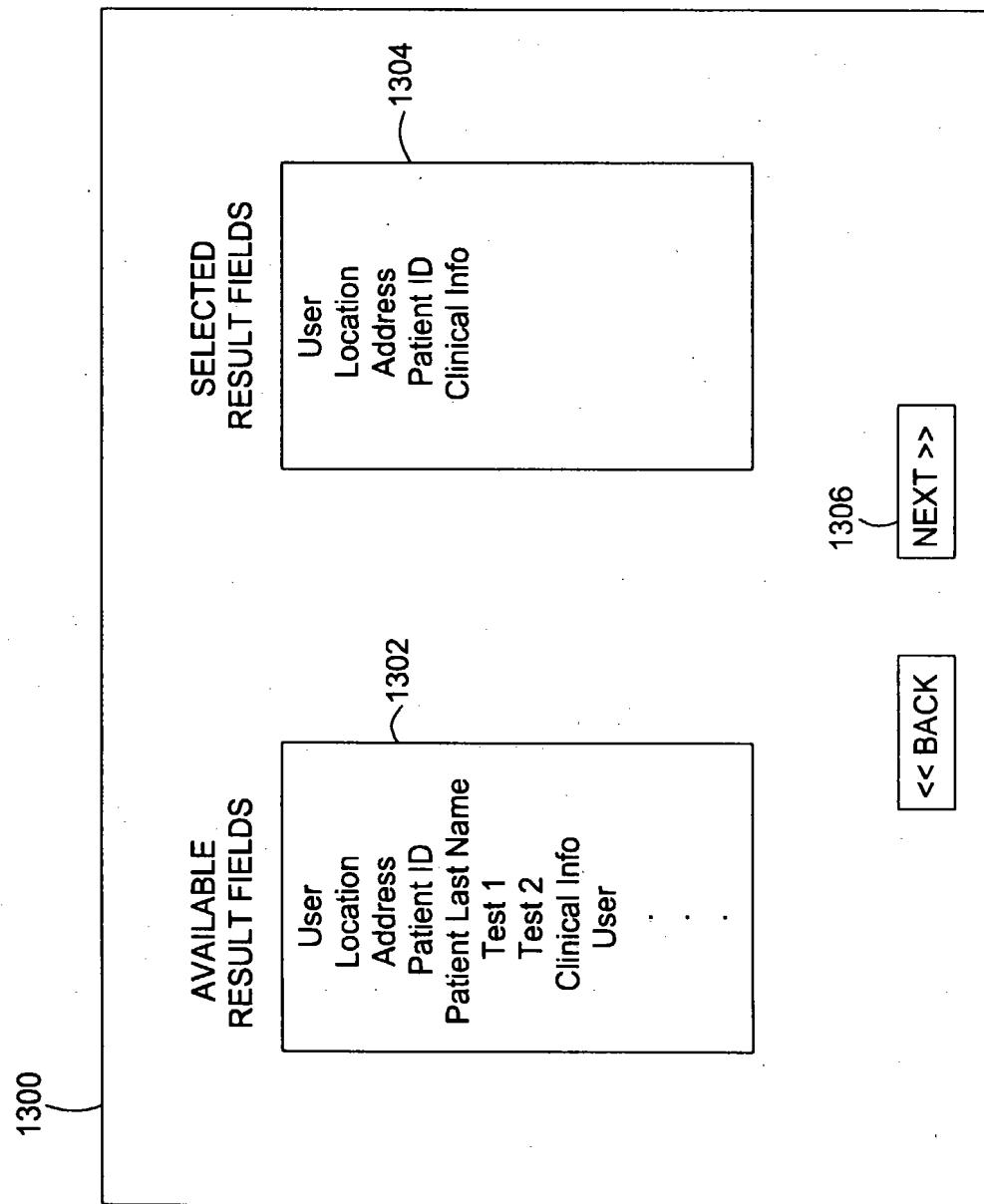


FIG. 12

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1400

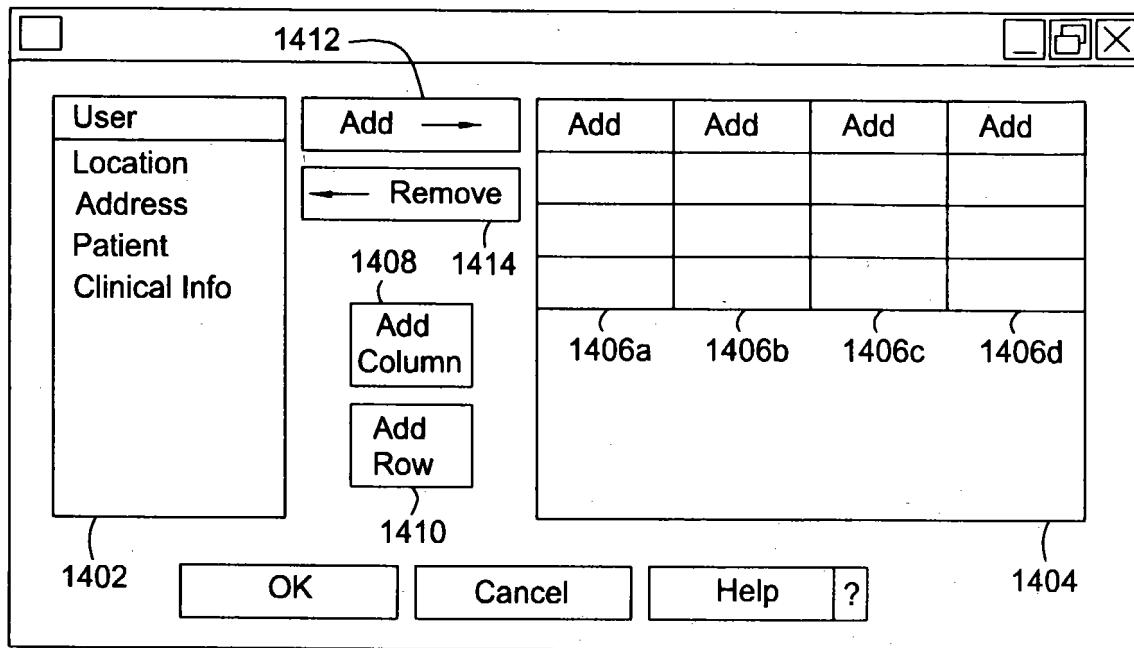


FIG. 13

1400

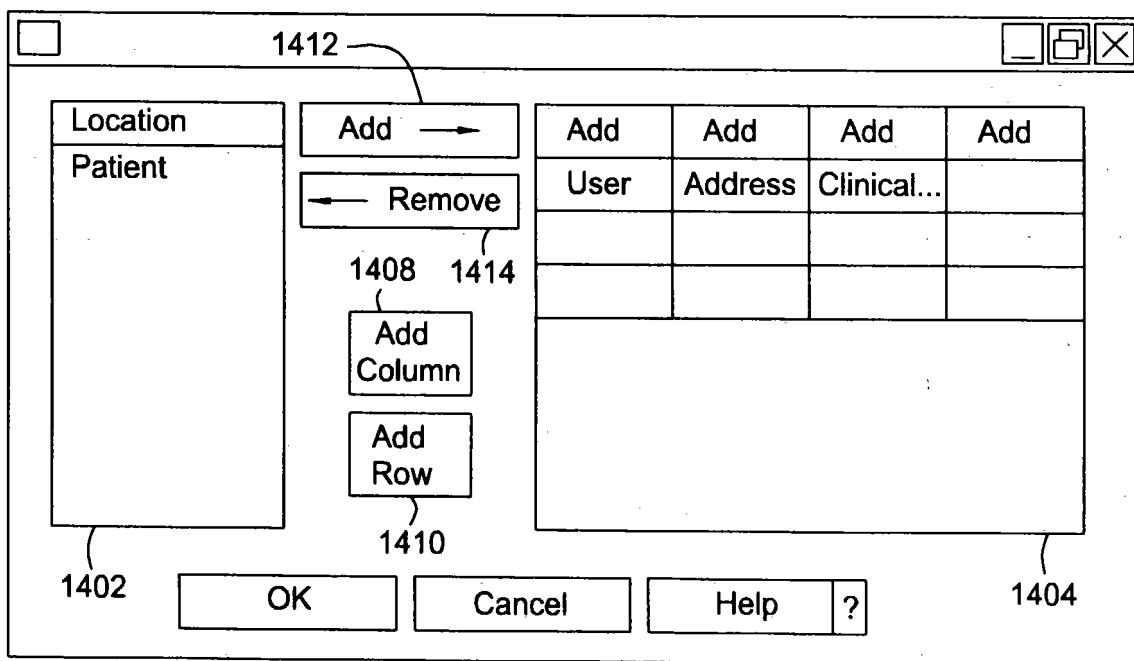


FIG. 14

1400

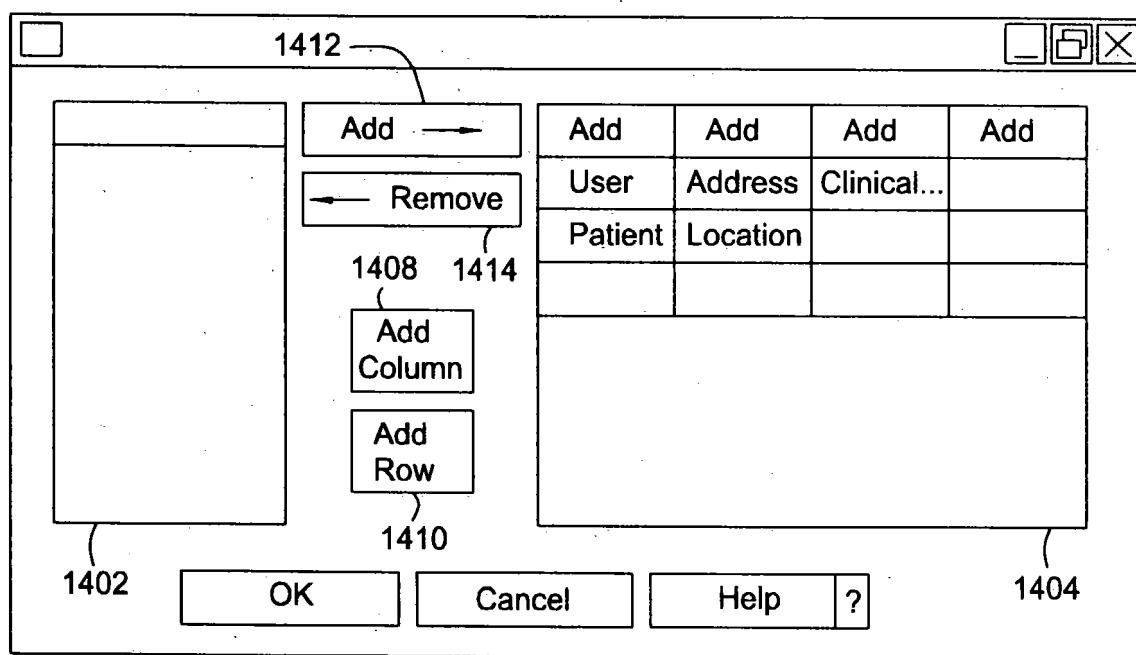


FIG. 15

<input type="checkbox"/> [NETWORK ADDRESS] - BROWSER		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FILE EDIT VIEW GO				
<input type="button" value="←"/>	<input type="button" value="→"/>	<input type="button" value="⟳"/>	<input type="button" value="🏠"/>	<input type="button" value="🔍"/>
BOOKMARK	LOCATION			<input type="button" value="▼"/>
Search Conditions				
Action	902 <input type="button" value="And/Or"/>	904 <input type="button" value="NOT"/>	Condition	802 <input type="button" value="Condition"/>
Edit	Delete	906 <input type="button" value="Edit"/>	<input type="checkbox"/> (Date of Birth <= 1942/01/01)	1102 1104 <input type="checkbox"/> (gender = male) AND (hemoglobin <= 5)
Edit	Delete	AND <input type="button" value="AND"/> <input type="button" value="▼"/>	<input type="checkbox"/> <input type="checkbox"/>	
804 <input type="button" value="Add a condition"/>	910 <input type="button" value="Group Conditions"/>	1106 <input type="button" value="Undo Grouped Conditions"/>		
<hr/>				
<input style="width: 250px; height: 25px; border: 1px solid black; border-radius: 5px; padding: 2px; margin-bottom: 5px;" type="button" value="Refresh Search Summary"/> 922				
Search Summary <div style="margin-top: 10px;"> (Date of Birth <= 1942/01/01) AND (gender = male) AND (hemoglobin <= 5) </div>				
<div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">User</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">Address</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">Clinical Info</div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 5px;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">Patient</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">Location</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">NULL</div> </div>				
<hr/>				
<input type="button" value="Change Output Data"/>		<input type="button" value="Change Output Format"/>	<input type="button" value="Patient List"/>	
<hr/>				
<input type="button" value="Run Search"/>		<input type="button" value="Save Search"/>	<input type="button" value="Cancel"/>	
924				

FIG. 16

800

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1700

START

1702

DO
FOR EACH CELL
IN 1st. ROW

DONE

NO

CELL
CONTAINS
DATA ?

YES

ADD RESULT
FIELD

1704

1706

1708

DO
FOR EACH
REMAINING ROW

DONE

DO

FOR EACH CELL IN
CURRENT ROW

DONE

NO

CELL
CONTAINS
DATA ?

1712

YES

1714

NO

ADJACENT
CELL ABOVE
POPULATED
?

YES

UNION THE
CELLS

FIG. 17

